



# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**OR824**  
 Component  
**Rear Differential**  
 Fluid  
**PETRO CANADA DURATRAN (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0100617</b>	---	---
Sample Date	Client Info		<b>19 May 2024</b>	---	---
Machine Age	hrs	Client Info	<b>15203</b>	---	---
Oil Age	hrs	Client Info	<b>1430</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>110</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m) >100	<b>4</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 110	<b>86</b>	---	---
Barium	ppm	ASTM D5185(m) 0.0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m) 1	<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185(m) 13	<b>21</b>	---	---
Calcium	ppm	ASTM D5185(m) 3610	<b>3265</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1192	<b>1092</b>	---	---
Zinc	ppm	ASTM D5185(m) 1455	<b>1246</b>	---	---
Sulfur	ppm	ASTM D5185(m) 2641	<b>3183</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>11</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>6</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>3</b>	---	---

